

ABSTRACT OF THE DISCLOSURE

A novel and inventive hand held powder-fed laser fusion welding torch providing manual flexibility for laser welding with powder-fed material. The hand held laser includes a body, handle, and nozzle assembly. The nozzle may be shrouded by a cover that is slightly spaced apart from the nozzle. The gap between the two may provide space through which inert gas may flow. Laser light from a remote source shines through the nozzle's central aperture. The nozzle aperture may be circumscribed by powder channel outlets aligned upon a working focal point coincident with the laser beam to treat a workpiece. A proximity sensor may enable selective welding torch operation according to the presence of a workpiece.